

Title (en)

APPARATUS AND METHOD FOR CLEANING REGENERATIVE-BURNER MEDIA BED

Title (de)

VORRICHTUNG UND VERFAHREN ZUM REINIGEN EINES REGENERATIVBRENNER-MEDIENBETTS

Title (fr)

APPAREIL ET PROCEDE DE NETTOYAGE D'UN LIT DE BRULEUR REGENERATIF

Publication

EP 1812752 B1 20160420 (EN)

Application

EP 05802170 A 20051025

Priority

- CA 2005001643 W 20051025
- US 62552104 P 20041104

Abstract (en)

[origin: US2006093978A1] A regenerative burner device for a furnace and a method of removing contaminants from such a device. The burner device includes a burner for introducing heat and waste gas into a furnace during ignition when supplied with fuel and a combustion gas, a media bed comprising refractory particles, and ducting for delivering combustion gas to said burner during ignition, and for drawing waste gas from said furnace on termination of ignition. The ducting causes the combustion gas and the waste gas to pass in succession through the media bed. Means are provided for periodically delivering a rapid flow of a decontaminating gas into said media bed. The rapid flow is of sufficient force to dislodge contaminants collected in the media bed from said waste gas.

IPC 8 full level

F23J 3/00 (2006.01); **F23L 15/02** (2006.01); **F27B 3/26** (2006.01); **F27D 17/00** (2006.01)

CPC (source: EP KR NO US)

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Citation (examination)

- JP H0868530 A 19960312 - HITACHI SHIPBUILDING ENG CO
- JP 2001241646 A 20010907 - HIROSE YASUO, et al

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Designated extension state (EPC)

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US 25961705 A 20051025; AU 2005301033 A 20051025; BR PI0517977 A 20051025; CA 2005001643 W 20051025; CA 2583284 A 20051025; CN 200580037886 A 20051025; EP 05802170 A 20051025; HU P0700363 A 20051025; JP 2007538223 A 20051025; KR 20077012421 A 20051025; MX 2007005298 A 20051025; NO 20072836 A 20070604; NZ 55563905 A 20051025; RU 2007119282 A 20051025; TR 200702790 T 20051025